

PATENT ABSTRACTS OF JAPAN

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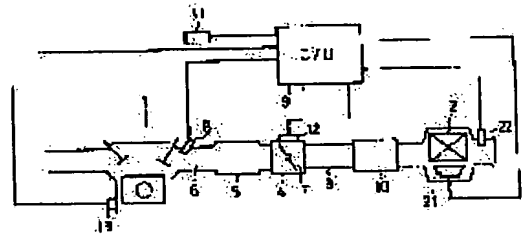
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(54) ACTIVE NOISE CONTROL DEVICE FOR AUTOMOBILE

(57)Abstract:

PURPOSE: To prevent the generating sound of a speaker from producing additional noise as much as possible, in constitution wherein intake air noise is offset by generating a sound wave, interfering with intake noise, from a speaker.

CONSTITUTION: Based on a detecting signal for an air flow meter 10, the frequency and the amplitude of intake pulsation noise are determined and a sound wave and a sound wave having a phase being an opposite phase at the same frequency and amplitude is generated by a speaker 21 arranged at an air cleaner part 2. Meanwhile, an offset remaining sound is detected by a microphone 22 arranged in a spot situated upper stream from an air cleaner. When a state wherein the offset remaining sound exceeds a given value is continued for a given time, the generating sound of the speaker is regarded as additional noise and drive of the speaker is stopped.



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